

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A seed of soybean line designated 4283008, representative seed of said line having been deposited under ATCC Accession No. PTA-_____ PTA-6432.
2. (ORIGINAL) A soybean plant, or a part thereof, produced by growing the seed of claim 1.
3. (ORIGINAL) A tissue culture of regenerable cells produced from the plant of claim 2.
4. (ORIGINAL) Protoplasts produced from the tissue culture of claim 3.
5. (PREVIOUSLY PRESENTED) The tissue culture of claim 3, wherein cells of the tissue culture are produced from a tissue selected from the group consisting of leaf, pollen, embryo, root, root tip, anther, pistil, flower, seed, pod, and stem.
6. (CURRENTLY AMENDED) A soybean plant regenerated from the tissue culture of claim 3, said plant having all the morphological and physiological characteristics of line 4283008, representative seed of said line having been deposited under ATCC Accession No. PTA-_____ PTA-6432.
7. (PREVIOUSLY PRESENTED) A method for producing a hybrid soybean seed, comprising crossing the plant of claim 2 with a different soybean plant and harvesting the resultant hybrid soybean seed.
- 8-9. (CANCELED)
10. (ORIGINAL) A method for producing a male sterile soybean plant comprising transforming the soybean plant of claim 2 with a nucleic acid molecule that confers male sterility.
11. (ORIGINAL) A male sterile soybean plant produced by the method of claim 10.

12. (ORIGINAL) A method of producing an herbicide resistant soybean plant comprising transforming the soybean plant of claim 2 with a transgene that confers herbicide resistance.

13. (ORIGINAL) An herbicide resistant soybean plant produced by the method of claim 12.

14. (PREVIOUSLY PRESENTED) The soybean plant of claim 13, wherein the transgene confers resistance to an herbicide selected from the group consisting of imidazolinone, sulfonyleurea, glyphosate, glufosinate, L-phosphinothricin, triazine and benzonitrile.

15. (ORIGINAL) A method of producing an insect resistant soybean plant comprising transforming the soybean plant of claim 2 with a transgene that confers insect resistance.

16. (ORIGINAL) An insect resistant soybean plant produced by the method of claim 15.

17. (ORIGINAL) The soybean plant of claim 16, wherein the transgene encodes a *Bacillus thuringiensis* endotoxin.

18. (ORIGINAL) A method of producing a disease resistant soybean plant comprising transforming the soybean plant of claim 2 with a transgene that confers disease resistance.

19. (ORIGINAL) A disease resistant soybean plant produced by the method of claim 18.

20-21. (CANCELED)

22. (CURRENTLY AMENDED) A soybean plant, or part thereof, having all the physiological and morphological characteristics of the line 4283008, representative seed of said line having been deposited under ATCC Accession No. PTA-
PTA-6432.

23-29. (CANCELED)

30. (PREVIOUSLY PRESENTED) A method of producing a soybean plant with modified fatty acid or carbohydrate metabolism wherein the method comprises

Application No. 10/779,581

312 Amendment dated January 19, 2005

Reply to Notice of Allowance dated November 18, 2004

5

transforming the soybean plant of claim 2 with a transgene encoding a protein selected from the group consisting of fructosyltransferase, levansucrase, α -amylase, invertase and starch branching enzyme or encoding an antisense of stearyl-ACP desaturase.

31. (PREVIOUSLY PRESENTED) A soybean plant having modified fatty acid or carbohydrate metabolism produced by the method of claim 30.

32 – 33. (CANCELED)